

Alternator Belt Inspection and Adjustment

NOTE: When using a new belt, first adjust the deflection or tension to the values for the new belt, then readjust the deflection or tension to the values for the used belt after running engine for 5 minutes.

Deflection method:

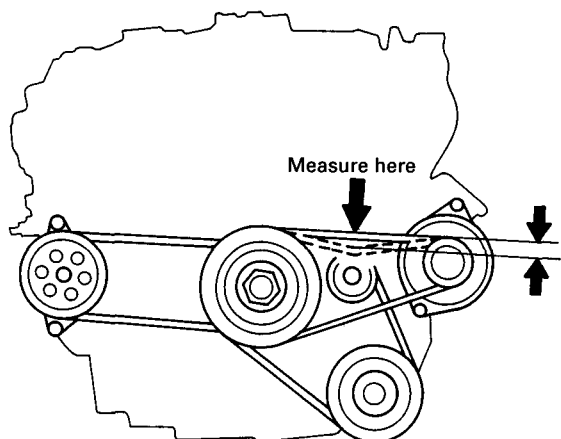
Apply a force of 98 N (10 kgf, 22 lbf), and measure the deflection between the alternator and crankshaft pulley.

Deflection:

Used Belt: 9.5 - 11.5 mm (0.37 - 0.45 in)

New Belt: 7.0 - 8.0 mm (0.28 - 0.31 in)

NOTE: If the belt is worn or damaged, replace it.



Belt tension gauge method:

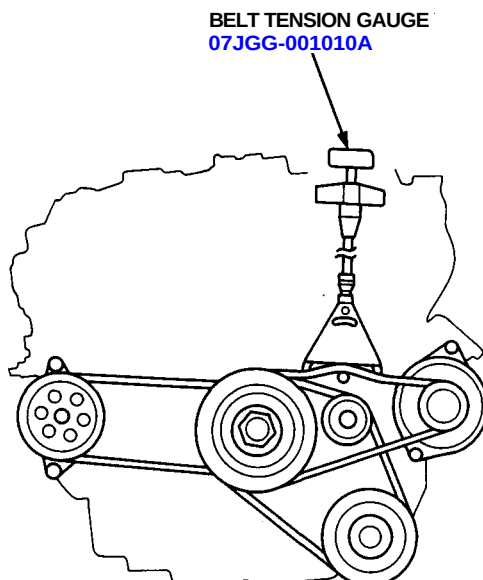
Attach the belt tension gauge to the belt and measure the tension. Follow the gauge manufacturer's instructions.

Tension:

Used Belt: 390 - 590 N (40 - 60 kgf, 88 - 130 lbf)

New Belt: 780 - 980 N (80 - 100 kgf, 180 - 220 lbf)

NOTE: If the belt is worn or damaged, replace it.



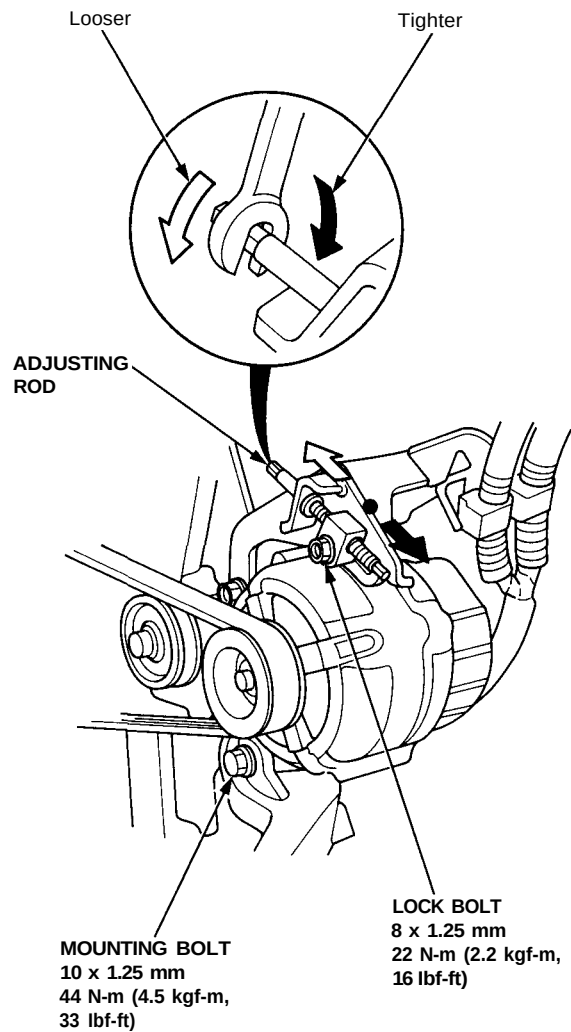
(cont'd)

Charging System

Alternator Belt Inspection and Adjustment(cont'd)

If adjustment is necessary:

1. Loosen the mounting bolt and the lock bolt.
2. Move the alternator by turning the adjusting rod to obtain the proper belt tension, then retighten the bolts.



3. Recheck the deflection or tension of the belt.

NOTE: For the power steering pump belt and A/C compressor belt adjustments, refer to [section 17](#) and [section 22](#).